DEPARTMENT OF THE INTERIOR
IRRIGATION OFFICE
PLAN
OF
RESERVOIR SITE
FOR
SOUTH SASKATCHEWAN
PIPE LINE
Scale 1000 FT = 1 IN.

TOWNSHIP 20 RANGE 6 WEST 3RD MER

DAM No 3.

EARTH PIPE

7½ FT DIA. SUPPLY PIPE

RESERVOIR FOR INITIAL SCHEME

AREA 3376 Acres

CAPACITY 2913 Acre-ft. 790,662,000 Gals.

1970

EARTH DAM No 2

3 FT. DIAMETER PIPE TO CARRY SURFACE WATER THROUGH RESERVOIR

7 FT DIAMETER PIPE

RESERVOIR FOR INITIAL SCHEME

AREA 1,250 Acres.

CAPACITY 18,750 Acre-ft. 5,088,352,500 Gals.

6 FT. DIA PIPE

1970 BYPASS AROUND RESERVOIR

EARTH DAM No 1

1965 Top of Dam 1965
1960 Level of Water 1960
1955
1950
Bottom of Lake, soft muck, a few inches of water

SECTION OF LAKE DAM No 2
Scale HOR 1000'=1" VERT 50'=1"

1970 Top of Dam 1970
1965 Level of Water 1963
1960
creek

SECTION OF VALLEY DAM No 1.
Scale HOR. 1000'=1" VERT 50'=1"

Top of Dam 1965
Level of Water 1960
creek
1965
1950
1955
1950

SECTION OF VALLEY DAM No 3
Scale HOR 1000'=1" VERT 50'=1"

Slope 3-1 15' Slope 1½-1

TYPICAL SECTION OF DAM

NOTE All Elevations referred to C.P.R Base of Rail at Tugaske
For Sea Level Datum add 2275 FT.

DAM No 3.

EARTH DAM

7½ FT. DIA. SUPPLY PIPE

RESERVOIR
FOR INITIAL SCHEME
AREA 337.6 Acres
CAPACITY 2913 Acre-ft.
790,662,000 Gals.

EARTH DAM No 2

1970

1970

35

23

3 FT. DIAMETER PIPE TO CARRY SURFACE WATER THROUGH

7 FT DIAMETER PIPE

6 FT. DIA PIPE

970 BYPASS AROUND

RESERVOIR FOR INITIAL
AREA 1,250 Acres.
CAPACITY 18,750 Acre-ft.
5,088,352,500 Gals.

1965 — Top of Dam 1965
1960 — Level of Water 1960
1955
1950
Bottom of Lake, soft muck, a few inches of water

SECTION OF LAKE DAM No 2
Scale { HOR 1000'=1"
VERT 50'=1"

1970 — Top of Dam 1970
1965 — Level of Water 1963
1960
creek

SECTION OF VALLEY DAM No. 1.
Scale { HOR. 1000'=1"
VERT 50'=1"

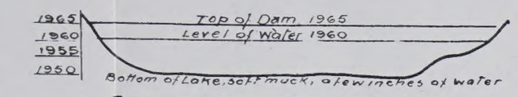
Top of Dam 196
Level of Water 196
cre

SECTION OF VALLEY
S

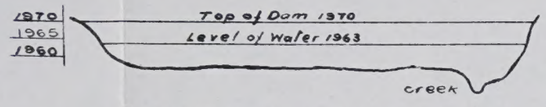
slope 3-1

TYPICAL SE

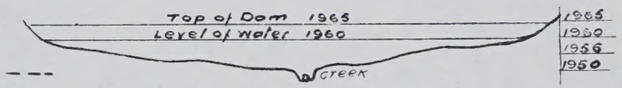
NOTE. All Elevations referred to C.P.R Base of Rail at Tugaske
For Sea Level Datum add 22.75 FT.



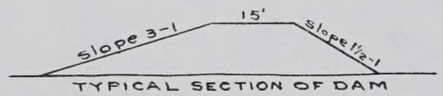
SECTION OF LAKE DAM N°2
Scale { HOR 1000'=1"
VERT 50'=1"



SECTION OF VALLEY DAM N°1.
Scale { HOR. 1000'=1"
VERT 50'=1"



SECTION OF VALLEY DAM N°3
Scale { HOR 1000'=1"
VERT 50'=1"



TYPICAL SECTION OF DAM

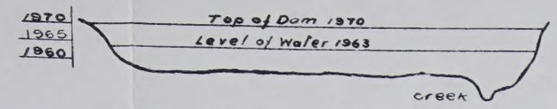
DEPARTMENT OF THE INTERIOR
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FOR
SOUTH SASKATCHEWAN
PIPE LINE
Scale 1000 FT = 1 IN.

TOWNSHIP 20 RANGE 6 WEST 3RD MER

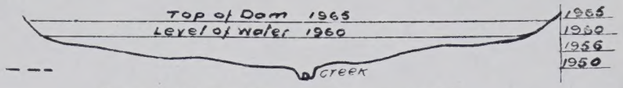
s referred to C.P.R Base of Rail at Tugaske

DEPARTMENT OF THE INTERIOR
IRRIGATION OFFICE
PLAN
OF
RESERVOIR SITE
FOR
SOUTH SASKATCHEWAN
PIPE LINE
Scale 1000 FT = 1 IN.

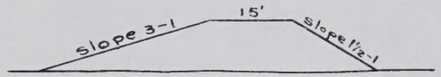
TOWNSHIP 20 RANGE 6 WEST 3RD MER



SECTION OF VALLEY DAM No.1.
Scale HOR. 1000'=1" VERT 60'=1"



SECTION OF VALLEY DAM No 3
Scale HOR 1000'=1" VERT 50'=1"



TYPICAL SECTION OF DAM

3 FT. DIAMETER PIPE TO CARRY SURFACE WATER THROUGH RESERVOIR

7 FT DIAMETER PIPE

INITIAL SCHEME

AREA 1,250 Acres.
CAPACITY 18,750 Acre-ft.
5,088,352,500 Gals.

970 BY PASS AROUND RESERVOIR

EARTH DAM No 1

23

22

15

ns referred to C.P.R. Base of Rail at Tugaske
For Sea Level Datum add 22.75 FT.

RESERVOIR
FOR INITIAL SCHEME
AREA 337.6 Acres
CAPACITY 2913 Acre-ft.
790,662,000 Gals.

7½ FT. DIA. SUPPLY PIPE

EARTH DAM No 2

3 FT. DIAMETER PIPE TO CARRY SURFACE WATER THROUGH EARTH DAM No 2

7 FT DIAMETER PIPE

6 FT. DIA PIPE

970 BY PASS AROUND

1970

1970
1965
1960
Top of Dam 1970
Level of Water 1963
creek

SECTION OF VALLEY DAM No. 1.
Scale HOR. 1000'=1"
VERT. 50'=1"

Top of Dam 1965
Level of Water 1960
creek

SECTION OF VALLEY D
Sc

Slope 3-1

TYPICAL SEC

RESERVOIR FOR INITIAL
AREA 1,250 Acres.
CAPACITY 18,750 Acre-ft.
5,088,352,500 Gals.

NOTE. All Elevations referred to C.P.R. Base of Rail at Tugaske
For Sea Level Datum add 22.75 FT.

35

23

22



UAA-1974-169-9/2/7/6/37-004